

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office and citizenship are as stated below, next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled INTEGRATED CIRCUIT I/O USING A HIGH PERFORMANCE BUS INTERFACE the specification of which

XX is attached hereto.

— was filed on _____ as
Application Serial No. _____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of

Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) (Filing Date) (Status-patented pending, abandoned)

(Application Serial No.) (Filing Date) (Status-patented pending, abandoned)

I hereby appoint Roger S. Borovoy, Reg. No. 20,193, and David J. Larwood, Reg. No. 33,191, 600 Hansen Way, Suite 100, Palo Alto, California 94306, telephone (415) 856-9411, my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. Please address all correspondence to Mr. Larwood.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventors: Michael Farmwald

Residence 82 Eucalyptus Rd., Berkeley, California 94705 Citizenship U.S.A.
(City, State) (Country)

Inventor's Signature Michael Farmwald Date Apr. 117, 1990

Full Name of Joint/Second Inventor: Mark Horowitz

Residence 2024 Columbia Street Palo Alto, California 94306 Citizenship U.S.A.
(Country)

Inventor's Signature Mark Horowitz Date Apr. 117, 1990

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. RA043D2C15)

In the Application of:) Group Art Unit: 2181
FARMWALD ET AL.)
Serial No: 09/835,263)
Filed: April 13, 2001)
Title: MEMORY DEVICE HAVING A)
PROGRAMMABLE REGISTER)

Assistant Commissioner for Patents
Washington, DC 20231

I hereby certify that this
correspondence is being deposited
with the United States Postal
Service as first class mail with
sufficient postage in an envelope
addressed to the Commissioner of
Patents and Trademarks, Washington,
D.C. 20231 on October 24, 2001
Michael Siles
(Name of Person Mailing
Correspondence),
Michael Siles 10-24-01
Signature Date

POWER OF ATTORNEY BY ASSIGNEE, REVOCATION OF ALL
PRIOR POWERS OF ATTORNEY AND CERTIFICATE UNDER 37 CFR 3.73(b)

Sir:

The undersigned, being empowered to sign this Power of Attorney, Revocation of All Previous Powers of Attorney and Certificate under 37 CFR 3.73(b) on behalf of Rambus Inc., the assignee of the entire right, title and interest in the above-referenced application, hereby revokes all prior powers of attorney and hereby appoints Paul M. Anderson Reg. No. 39,896; Paula J. Lagattuta, Reg No. 40,691 and Jose G. Moniz, (Limited Recognition Certificate under 37 CFR §10.9(b) to Jose G. Moniz is attached), jointly and severally, with full power of substitution and revocation to prosecute this application and to transact all business before the United States Patent and Trademark Office in the above-referenced application.

Rambus Inc. certifies that it is the assignee of the entire right, title and interest in the above-referenced patent application by virtue of an assignment from the inventors, Michael

Farmwald, and Mark Horowitz. The assignment of the prior parent application (Application serial No. 07/510,898) an all continuing and divisional applications thereof to Rambus Inc. was filed on April 18, 1990 and recorded in the U.S. Patent and Trademark Office at Reel 5385, Frame 875.

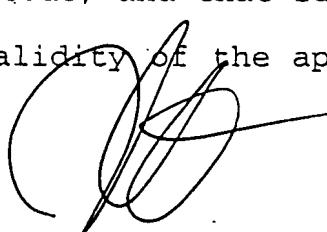
All the documents in the chain of title of the above-referenced application have been reviewed and, to the best of the undersigned's knowledge and belief, title is in Rambus Inc., the assignee identified above.

Please direct all correspondence in the above-referenced patent application to:

Jose G. Moniz
Rambus Inc.
4440 El Camino Real
Los Altos, California 94022
Telephone: 650-947-5336
Facsimile: 650-947-5001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon.

Date: 08/24/01


John D. Danforth, Esq.
Senior Vice President
General Counsel
Rambus Inc.